

AMENDMENTS TO CLAIMS

The status of all claims and the text of pending claims, with markings to show current changes relative to the immediately prior version, follows.

1. (Currently Amended) A multiple stage brush seal adapted to restrict a fluid flow through a gap between a first component and a second component, comprising:

a body;

a plurality of brush packs secured to said body; and

a plurality of passageways through said body for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap;

wherein each stage of said brush seal includes at least one of said plurality of passageways.

2. (Previously Presented) The brush seal of claim 1, wherein said body comprises a side plate and a backing plate, and one of said passageways extends through said side plate.

3. (Previously Presented) The brush seal of claim 2, wherein said side plate includes a windage cover, and one of said passageways extends through said windage cover.

4. (Original) The brush seal of claim 1, wherein said first end is adjacent said brush pack.

5. (Cancelled)

6. (Previously Presented) The brush seal of claim 1, in combination with said first component, wherein said first component also has a passageway therethrough in communication with said second ends of said passageways of said brush seal.

7. (Original) The combination of claim 6, wherein said first component comprises a stationary component.

8. (Original) The combination of claim 7, wherein said first component comprises a stationary component of a gas turbine engine.

9-25. (Cancelled)

26. (Previously Presented) The brush seal of claim 4, wherein said first end is upstream of said brush pack.

27-30. (Cancelled)

31. (Currently Amended) A multiple stage brush seal adapted to restrict a fluid flow through a gap between a first component and a second component, comprising:

a plurality of side plates having windage covers;

a plurality of backing plates;

a plurality of brush packs secured to said side plates and backing plates; and
a plurality of passageways for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap;
wherein each stage of said brush seal includes at least one of said plurality of passageways, and at least one of said passageways extends through one of said windage covers.

32. (Previously Presented) In combination:
- a first component having a passageway therethrough; and
 - a multiple stage brush seal adapted to restrict a fluid flow through a gap between said first component and a second component, said brush seal comprising:
 - a body;
 - a plurality of brush packs secured to said body; and
 - a plurality of passageways through said body for introducing a cooling flow to said gap, said passageways each having a first end that is exposed to said gap and corresponding to a respective one of said brush packs, and a second end that is not exposed to said gap.
- wherein said passageway of said first component is in communication with said second ends of said passageways of said brush seal.

33. (Previously Presented) The combination of claim 32, wherein said first component comprises a stationary component.

34. (Previously Presented) The combination of claim 33, wherein said first component comprises a stationary component of a gas turbine engine.
35. (New) The brush seal of claim 31, wherein said first end is adjacent said brush pack.
36. (New) The brush seal of claim 35, wherein said first end is upstream of said brush pack.
37. (New) The brush seal of claim 31, in combination with said first component, wherein said first component also has a passageway therethrough in communication with said second ends of said passageways of said brush seal.
38. (New) The combination of claim 37, wherein said first component comprises a stationary component.
39. (New) The combination of claim 38, wherein said first component comprises a stationary component of a gas turbine engine.
40. (New) The combination of claim 32, wherein said body comprises a side plate and a backing plate, and one of said passageways extends through said side plate.
41. (New) The combination of claim 40, wherein said side plate includes a windage cover, and one of said passageways extends through said windage cover.

42. (New) The combination of claim 32, wherein said first end is adjacent said brush pack.
43. (New) The combination of claim 42, wherein said first end is upstream of said brush pack.